Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/10/2014 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/08/2014 01:08 PM
Cytometer Configuration:	Euroflow PLUS 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124643	-1	1.33	124476	1.28
Blue	F	SSC	125000	122585	-2	2.29	123467	2.01
Blue	E	FITC	17083	16430	-4	2.18	922	8.09
Blue	D	PE	24195	23615	-3	1.77	1068	7.16
Blue	B	PerCP-Cy5-5	64158	63285	-2	2.41	1675	11.76
Blue	A	PE-Cy7	76341	75121	-2	3.39	992	21.79
Red	C	APC	61782	61622	-1	2.55	3491	7.90
Red	A	APC-Cy7	92681	91036	-2	2.66	1810	7.52
Violet	B	CF-BLUE	13115	12652	-4	2.78	780	6.86
Violet	A	V500	46454	45050	-4	2.37	2544	4.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20320	3.39	572	-2	N/A	N/A	Pass
Blue	F	SSC	61333	1.33	488	9	N/A	N/A	Pass
Blue	E	FITC	101	31.90	505	0	0.0304	45	Pass
Blue	D	PE	221	21.55	504	1	0.2077	100	Pass
Blue	B	PerCP-Cy5-5	206	35.21	577	2	0.0137	0	Pass
Blue	A	PE-Cy7	77	84.01	637	2	0.0194	8	Pass
Red	C	APC	325	24.96	572	4	0.0223	0	Pass
Red	A	APC-Cy7	115	34.55	550	3	0.0054	484	Pass
Violet	B	CF-BLUE	82	36.28	450	1	0.0648	1737	Pass
Violet	A	V500	168	17.85	475	1	0.0193	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.55	-31.18	0.88
Blue	20.46	16.35 - 24.53	1.24	1.00 - 1.50	0.00	0.00	1.29
Red	16.16	13.07 - 19.61	N/A	N/A	31.65	31.90	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 16449

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments